

09/618,623  
STN/Exit  
Search Strategy

attaker #11

=> d his

(FILE 'HOME' ENTERED AT 11:12:49 ON 02 MAY 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:12:54 ON 02 MAY 2002

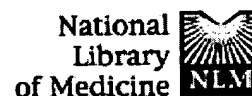
L1 35271 S PHOSPHOLIPASE (2N) A2  
L2 68 S L1 (5N) SN-2  
L3 39 DUP REM L2 (29 DUPLICATES REMOVED)  
L4 2 S L3 AND (CDNA OR CLON?)

FILE 'STNGUIDE' ENTERED AT 11:14:18 ON 02 MAY 2002

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:16:29 ON 02 MAY 2002

L5 3 S L3 AND SEQUENCE

FILE 'STNGUIDE' ENTERED AT 11:17:17 ON 02 MAY 2002



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Protein

Genome

Structure

PopSet

Taxonomy

OMIM

Bc

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#17 Search <b>becker AND miller AND ellis</b> Limits: <b>Publication Date to 1998</b>	11:24:28	<u>1</u>
#16 Search <b>becker AND miller</b> Field: <b>All Fields</b> , Limits: <b>Publication Date to 1998</b>	11:24:21	<u>117</u>
#12 <b>Related Articles</b> for PubMed (Select <b>10024493</b> )	11:12:21	<u>159</u>
#10 Search <b>phospholipase AND a2 AND sn-2</b> Field: <b>Title/Abstract</b> , Limits: <b>Publication Date to 1998</b>	11:09:59	<u>253</u>
#7 Search <b>phospholipase AND a2 AND sn-2</b> Field: <b>Title</b> , Limits: <b>Publication Date to 1999</b>	11:08:52	<u>5</u>
#6 Search <b>phospholipase AND a2 AND sn-2</b> Field: <b>Title/Abstract</b> , Limits: <b>Publication Date to 1999</b>	11:08:40	<u>270</u>
#5 Search <b>phospholipase AND a2 AND sn-2</b>	11:08:28	<u>307</u>
#3 Search <b>mancuso AND jenkins</b>	10:55:10	<u>5</u>
#1 Search <b>tanaka AND takeya</b>	10:53:35	<u>18</u>

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sparc-sun-solaris2.8 Apr 15 2002 15:51:10

L4 ANSWER 1 OF 2 MEDLINE  
 AN 96361433 MEDLINE  
 DN 96361433 PubMed ID: 8713499  
 TI Regulation of rat kidney mesangial cell phospholipase A2.  
 AU Hack N; Tay A; Schultz A; Muzin N; Clayman P; Egan S; Skorecki K L  
 CS MRC Group in Membrane Biology, University of Toronto, Ontario, Canada.  
 SO CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, (1996 Jan) 23 (1)  
 71-5. Ref: 46  
 Journal code: DD8; 0425076. ISSN: 0305-1870.  
 CY Australia  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199612  
 ED Entered STN: 19970128  
 Last Updated on STN: 19970128  
 Entered Medline: 19961203  
 AB 1. The precursor of eicosanoids is arachidonic acid, which emanates from  
 the cleavage of the **sn-2** position of phospholipids by  
**phospholipase A2** (PLA2). Eicosanoids have diverse  
 physiological and pathophysiological effects in the kidney. The  
 regulation  
 of phospholipase A2 has important implications for kidney function. 2. In  
 the current communication we focus our attention on mesangial cell  
 cytosolic PLA2 (cPLA2) and its regulation at the post-translational and  
 post-transcriptional level. 3. At the post-translational level, using  
 site  
 directed mutagenesis of cPLA2 and a dominant negative ras, we have  
 demonstrated that cPLA2 can be phosphorylated by mitogen activated  
 protein  
 (MAP-2) kinase leading to increased cPLA2 enzymatic activity. 4. At the  
 post-transcriptional level we show that the half-life of cPLA2 mRNA in  
 mesangial cells is significantly increased when mesangial cells are  
 stimulated by mitogens. We further demonstrate the presence of three  
 ATTTA  
 motifs in the 3' untranslated region (3' UTR) of the cPLA2 **cDNA**.  
 5. Using chimeric constructs bearing the 3' UTR from rat cPLA2 fused  
 downstream of the luciferase reporter, we demonstrate that this region  
 exerts a destabilizing effect on cPLA2. 6. We have isolated and mapped  
 genomic DNA and polymorphic markers for cPLA2 in the human and rat.

	Type	L #	Hits	S arch T xt	DBs	Tim Stamp	Commen ts
5	BRS	L29	136	l1 and beta and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:08	
6	BRS	L36	40	l29 and sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:09	
7	BRS	L43	28	l1 near10 sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:10	
8	BRS	L50	6	l43 and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:10	

	Typ	L #	Hits	Search T xt	DBs	Tim Stamp	Comm n ts
1	BRS	L1	1559	phospholipase near2 a2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 11:50	
2	BRS	L8	18	l1 near5 sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:10	
3	IS&R	L15	3	("5466595").PN.	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:06	
4	BRS	L22	48636 59	s l1 and beta and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:08	